ABSTRACT

Disclosed is an electroluminescent device having a cathode and an anode, an organic light emitting layer (LEL) containing at least one organic host material and a light emitting first dopant, and a layer containing a stabilizing second dopant wherein:

a) the organic host material is capable of sustaining both hole and electron injection and recombination of electrons and holes; and

b) the first dopant is a green light emitting organic material capable of accepting energy from the electron-hole recombination in the host material and of accepting energy transferred from the second dopant and is selected to have a bandgap energy lower than or equal to the bandgap energy of the second dopant material;

c) the second dopant is a stabilizing material capable of accepting energy of electron-hole recombination in the host material, the second dopant being selected to have a bandgap energy lower than the bandgap energy of the host material, but higher or equal to the first dopant;

wherein emissions from the first dopant and emissions from the second dopant, if any, have a peak emission in the OLED device less than 570 nm.